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CLAIM AMENDMENTS

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- (Currently amended) A stent graft prosthesis mounted to a deployment 1 device and adapted to be deployed in a curved lumen, the curved lumen having an inner side and an outer side of the curve, the deployment device including a guide wire catheter, the stent graft prosthesis being temporarily mounted to the deployment device at at least one end of the prosthesis by a retention arrangement, the retention arrangement including a retention of the stent graft prosthesis to the guide wire_catheter at a plurality of retention points of the circumference of the proximal end of the stent graft prosthesis, there being a greater circumferential distance between two adjacent retention points than other of the points, wherein the guide wire catheter includes a trigger wire catheter coaxially around the guide wire catheter with trigger wires passing along an annular space between the guide wire catheter and the trigger wire catheter and exiting through apertures in the trigger wire catheter at the retention points and the trigger wires are engaged with the graft material to provide the retention points and the apertures are equally spaced around the trigger wire catheter whereby when the deployment device is deployed in the curved lumen the greater circumferential distance is on the inner side of the curve.
- 1 2. (Cancelled)
- 1 3. (Original) A stent graft prosthesis mounted to a deployment device as in
- 2 Claim 1 wherein the retention arrangement includes three retention points so that
- 3 one larger and two smaller folds of the graft material are formed.

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- 1 4. (Original) A stent graft prosthesis mounted to a deployment device as in
- 2 Claim 1 wherein the retention arrangement provides one larger lobe and at least one
- 3 smaller lobe of the proximal end of the graft material wherein the larger lobe is on
- 4 the inner side of the curve when the deployment device is deployed in the curved
- 5 lumen.
- 1 5. (Cancelled)
- 1 6. (Cancelled)
- 1 7. (Currently amended) A stent graft prosthesis mounted to a deployment
- device as in Claim 1 5 wherein the trigger wires are engaged to the graft material
- 3 by loops of thread-like material.
- 1 8. (Original) A stent graft prosthesis mounted to a deployment device as in
- 2 Claim 7 wherein the loops of thread-like material are adapted to remain with the
- 3 graft material after deployment.
- 1 9. (Currently amended) A deployment device and stent graft prosthesis
- 2 temporarily mounted thereto and adapted to be deployed in a curved lumen, the
- 3 curved lumen having an inner side and an outer side of the curve, the deployment
- 4 device including a deployment catheter and a release mechanism, the stent graft
- 5 prosthesis comprising a tube of graft material having a first end and a second end
- and being mounted to the deployment device at at least its first end by a retention
- 7 arrangement, the retention arrangement including a retention to the deployment
- 8 catheter at a plurality of points of the circumference of the proximal end of the
- 9 stent graft prosthesis, there being a greater circumferential distance between two

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- adjacent retention points than other of the points, wherein the deployment catheter includes a guide wire catheter and a trigger wire catheter coaxially around the guide wire catheter and the release mechanism includes trigger wires passing along the annular space between the guide wire catheter and the trigger wire catheter and exiting through apertures in the trigger wire catheter and the apertures are equally spaced around the trigger wire catheter and the retention points being provided by the release mechanism being engaged with the graft material, whereby when the deployment device is deployed in the curved lumen the greater circumferential distance is on the inner side of the curve.
- 1 10. (Cancelled)
- 1 11. (Previously presented) A deployment device and stent graft prosthesis
- 2 temporarily mounted thereto wherein the retention arrangement includes three
- 3 retention points so that one larger and two smaller folds of the graft material are
- 4 formed.
- 1 12. (Previously presented) A deployment device and stent graft prosthesis
- 2 temporarily mounted thereto as in Claim 9 wherein the retention arrangement
- 3 provides one larger fold and at least one smaller fold of the proximal end of the
- 4 graft material wherein the larger fold is on the inner side of the curve when the
- 5 deployment device is deployed in the curved lumen.
- 1 13. (Cancelled)
- 1 14. (Cancelled)

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- 1 15. (Currently amended) A deployment device and stent graft prosthesis
- temporarily mounted thereto as in Claim 9 13 wherein the trigger wires are engaged
- 3 to the graft material by loops of thread-like material.
- 1 16. (Previously presented) A deployment device and stent graft prosthesis
- 2 temporarily mounted thereto as in Claim 15 wherein the loops of thread-like
- 3 material are adapted to remain with the graft material after deployment.
- 1 17. (Previously presented) A deployment device and stent graft prosthesis
- 2 temporarily mounted thereto as in Claim 9 wherein the stent graft prosthesis
- 3 comprises self expanding zig zag Z stents.
- 1 18. (Previously presented) A deployment device and stent graft prosthesis
- temporarily mounted thereto as in Claim 17 wherein the retention is by sutures tied
- 3 to trigger wires on the deployment device and around bends of the zig zag Z stents
- 4 on the stent graft.
- 1 19. (Currently amended) A deployment device and stent graft prosthesis
- temporarily mounted thereto as in Claim 9 14 wherein further retention points are
- 3 provided along the length of the stent graft prosthesis.
- 1 20. (Cancelled)
- 1 21. (Cancelled)
- 1 22. (Currently amended) A deployment device for deploying a stent graft prosthesis
- 2 into a thoracic arch of a patient, the stent graft prosthesis being temporarily

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mounted to thedeployment device and adapted to be deployed in the thoracic arch, the thoracic arch having a curved lumen having an inner side and an outer side of the curve, the stent graft prosthesis being mounted to the deployment device at least the proximal end of the prosthesis by a retention arrangement, the retention arrangement including a retention to the deployment device at a plurality of points of the circumference of the proximal end of the stent graft prosthesis, there being a greater circumferential distance between two adjacent retention points than other of the points, wherein the deployment device includes a guide wire catheter and a trigger wire catheter coaxially around the guide wire catheter and the retention arrangement includes trigger wires passing along the annular space between the guide wire catheter and the trigger wire catheter and exiting through apertures in the trigger wire catheter and the apertures are equally spaced around the trigger wire catheter, whereby when the deployment device is deployed in the curved lumen the greater circumferential distance is on the inner side of the curve.

1 23. (Cancelled)

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